

Amendments to the Claims

The following listing of claims will replace all prior versions and/or listings of claims in the application:

Listing of Claims:

1. (Currently amended): A freewheel bearing device, of the type comprising:

an outer element;

an inner element placed in the outer element;

a rolling bearing; and

a freewheel provided with at least one jamming element, the rolling bearing and the freewheel being mounted adjacent placed between the inner element and the outer element to leave free a rotation movement in one direction between the outer element and the inner element and to transmit a torque in the other direction between the outer element and the inner element;

wherein the at least one jamming element is mounted between, and in contact with, one of the outer and inner elements, and a race of the freewheel, the freewheel comprises a race provided comprising with an inner cylindrical surface and an outer cylindrical surface, substantially aligned on a radial plane perpendicular to the axis of rotation of the device; and

a torque limiter member capable of limiting the torque transmitted by the freewheel, the torque limiter member being placed radially between said the race and the outer element or the inner element in contact with said race and said element other one of the outer and inner elements with which the at least one jamming element is not in contact.

2. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member is mounted in series with the freewheel to limit the torque transmitted by the unidirectional engagement member in the torque transmission position.
3. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member comprises at least one friction element.
4. (Previously presented): The device as claimed in claim 3, wherein the friction element comprises a radial friction surface.
5. (Previously presented): The device as claimed in claim 3, wherein the friction element comprises an axial friction surface delimited by two radial planes.
6. (Previously presented): The device as claimed in claim 1, further comprising a bearing allowing the outer element to rotate relative to the inner element.
7. (Previously presented): The device as claimed in claim 6, wherein the bearing is a rolling bearing.
8. (Previously presented): The device as claimed in claim 7, wherein raceways for the rolling elements of said bearing are arranged in the inner and outer elements.
9. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member is placed on an outer surface of the freewheel.
10. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member is placed in a bore of the freewheel.

11. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member comprises an open elastic ring provided with an outer friction surface and an inner friction surface.
12. (Previously presented): The device as claimed in claim 11, wherein the ring is made of steel sheet and has a U-channel provided with two axial flanges.
13. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member comprises a plurality of elastic tongues.
14. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member comprises an elastic ring made of synthetic material provided with an outer or inner friction surface and a respectively inner or outer attachment surface.
15. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member comprises at least one friction ring and an elastic washer for placing the friction ring bearing axially on a friction surface.
16. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member comprises a body in the shape of an open ring.
17. (Previously presented): The device as claimed in claim 16, wherein the torque limiter member further comprises an elastic element for prestressing said body.
18. (Previously presented): The device as claimed in claim 1, wherein the freewheel comprises a spring provided with an end fixedly attached to the torque limiter member and coils in friction contact on the inner or outer element.
19. (Previously presented): The device as claimed in claim 1, wherein the jamming elements of the freewheel are cams, rollers or pawls.

20. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member comprises a friction element and an element for prestressing the friction element against said race and/or the outer element or the inner element.
21. (Previously presented): The device as claimed in claim 1, wherein the torque limiter member is prestressed between two separate pieces.
22. (Previously presented): A freewheel bearing device, comprising an outer element, an inner element placed in the outer element, and a freewheel placed between the inner element and the outer element, wherein the freewheel comprises a race provided with an inner cylindrical surface and an outer cylindrical surface, substantially aligned on a radial plane perpendicular to the axis of rotation of the device, and a torque limiter member mounted in series with the freewheel to limit the torque transmitted by the unidirectional engagement member in the torque transmission position.